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## CLAIMS:

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1. A method of preparing or modifying a cheese or cheese-like product comprising mixing into a cheesemaking mixture or a product, a heat-killed ferment of an exopolysaccharide-producing-microorganism without separating the exopolysaccharide

from the other components of the ferment.

2. A method as claimed in claim 1 wherein the heat-killed ferment is directly mixed into a cheesemaking mixture.

- 3. A method as claimed in claim 1 wherein the heat-killed ferment is mixed into an ingredient used in making the product.
  - 4. A method as claimed in any one of claims 1 to 3 wherein the heat-killed ferment is a ferment prepared using a lactose-rich medium and an exopolysaccharide-producing-microorganism.
- A method as claimed in any one of claims 1 to 3 wherein the microorganism
  does not hydrolyse lactose, and the ferment comprises an added lactase or galactosidase
  enzyme or an organism which produces an enzyme which hydrolyses lactose.
  - 6. A method as claimed in claim 4 wherein the medium contains more than 1.0% (w/v) lactose.
- 7. A method as claimed in claim 5 wherein the lactose-rich medium is a fraction of 20 milk.
  - 8. A method as claimed in claim 6 wherein the fraction is serum or mother liquor; or raffinate or breakthrough derived from milk or skim milk or buttermilk or whey or serum or mother liquor or permeate; or permeate derived from milk or skim milk or buttermilk or whey or serum or mother liquor or raffinate or breakthrough.
- 25 9. A method as claimed in claim 1 wherein the microorganism is a food-acceptable microorganism,
  - 10. A method as claimed in claim 8 wherein the lactose-rich medium comprises a dairy permeate.
- 11. A method as claimed in claim 9 wherein the dairy permeate is a milk permeate 30 or a whey permeate.

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12. A method as claimed in any one of claims 1 to 10 wherein the microorganism is selected from *Xanthomonas campestris*, *Sphingomonas paucimobilis* and lactic acid bacteria.

- 13. A method as claimed in claim 11 wherein the microorganism is selected from Xanthomonas campestris and Sphingomonas paucimobilis.
- 14. A method as claimed in claim 11 wherein the microorganism is selected from Lactobacillus delbrueckii ssp bulgaricus; Lactococcus lactis ssp cremoris; Lactococcus lactis ssp lactis; Streptococcus salivarius ssp thermophilus; Lactobacillus casei ssp casei; Leuconostoc mesenteroides; Lactobacillus helviticus; Lactobacillus reuteri;
- 10 Lactobacillus rhamnosus; Lactobacillus plantarum and Lactobacillus sakei.

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- 15. A method as claimed in any one of claims 1 to 13 wherein fermentation is conducted at a temperature of 20-35°C.
- 16. A method as claimed in claim 14 wherein the fermentation is incubated for 16-240 hours.
- 15 17. A method as claimed in claim 15 wherein the mixture is fermentation incubated for 60-120 hours.
  - 18. A method as claimed in any one of claims 1-17 wherein the ferment is heated and spray dried.
- 19. A method as claimed in any one of claims 1-17 wherein ferment is heat-killed20 and mixed directly with a dairy product.
  - 20. A method of modifying a milk protein concentrate comprising adding to the concentrate a heat-killed ferment of an exopolysaccharide-producing-microorganism without separating the exopolysaccharide from the other components of the ferment.
  - 21. A method of preparing a cheese or cheese-like product comprising the steps of
  - (a) adding to a cheese milk, a heat-killed ferment of an exopolysaccharide-producing-microorganism without separating the exopolysaccharide from the other components of the ferment;
    - (b) adding a proteolytic enzyme to the mixture;
    - (c) collecting the resulting curd;

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(d) further processing the curd to produce a cheese or cheese-like product.

- 22. A process of preparing a cheese or cheese-like product comprising the steps of
  - (a) providing a cheese precursor mixture comprising milk proteins
- (b) adding to the cheese precursor mixture a heat killed ferment of an exopolysaccharide-producing-microorganism without separating the exopolysaccharide from the other components of the ferment
  - (c) providing conditions under which the product gels.
- 10 23. A method as claimed in claim 22 wherein the conditions of (c) are provided by cooking the mixture to denature milk proteins and allowing the mixture to gel.
  - 24. A method as claimed in any one of claims 1-23 wherein the product is a cheese.
  - 25. A method as claimed in any one of claims 1-24 wherein the product is a processed cheese.

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